	Application No.	Applicant(s)	
Notice of Allowability	10/028,443	RAJAK, SURENDRA KUMAR	
	Examiner	Art Unit	
	DEBBIE M. LE	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *3/1/06*.

2. ☒ The allowed claim(s) is/are *8, 10-11, 13, 15-18 (now renumbered as 1-8)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *5/9/06* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Mr. Paul Kravetz on May 9, 2006.

The application has been amended as follows:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Please CANCEL claims 9, 12 and 14, without prejudice or disclaimer.
Please AMEND the claims as indicated below:

    1.   (CANCELED)

    2.   (CANCELED)

    3.   (CANCELED)

    4.   (CANCELED)

    5.   (CANCELED)

    6.   (CANCELED)

    7.   (CANCELED)

    8.   (CURRENTLY AMENDED) A method comprising:

selecting object-oriented data in an object model by a user, the selected data being stored in a non-object database by the object model;

automatically extracting the selected data from the non-object database by directly extracting the selected data from the object model using an object query language corresponding to the object model;

automatically building tables for the extracted data in accordance with metadata for the extracted data, the tables being tables for a target relational database; and

automatically inserting the extracted data into the tables using a query language corresponding to the tables and which is different from the object query language; and

automatically loading the tables with the inserted data into the target relational database.

9.   (CANCELED)

10.   (ORIGINAL) A method as in claim 8, further comprising:

automatically generating queries in the object query language corresponding to the object model, for extracting the selected data.

11.   (CURRENTLY AMENDED) A method comprising:

selecting object-oriented data in an object model by a human user via a graphical user interface (GUI), the selected data being stored in a non-object database by the object model;

automatically constructing commands in an object query language corresponding to the object model to extract the selected data from the object model;

automatically extracting the selected data from the non-object database by directly extracting the selected data from the object model using the constructed commands;

automatically building tables for the extracted data in accordance with metadata for the extracted data, the tables being tables for a target relational database; and

automatically inserting the extracted data into the tables using a query language corresponding to the tables and which is different from the object query language; and

automatically loading the tables with the inserted data into the target relational database.

12.   (CANCELED)

13.   (CURRENTLY AMENDED) A method comprising:

selecting object-oriented data in an object model by a human user, the selected data being stored in a non-object database by the object model;

extracting the selected data from the non-object database by directly extracting the selected data from the object model by a computer using an object query language corresponding to the object model;

building tables for the extracted data by a computer in accordance with metadata for the extracted data, the tables being tables for a target relational database; and

inserting the extracted data into the tables by a computer using a query language corresponding to the tables and which is different from the object query language; and

loading the tables with the inserted data into the target relational database by a computer.

14.   (CANCELED)

15.   (ORIGINAL) A method as in claim 13, further comprising:

automatically generating queries in the object query language corresponding to the object model, for extracting the selected data.

16.   (CURRENTLY AMENDED) A method comprising:

selecting object-oriented data in an object model by a human user via a graphical user interface (GUI), the selected data being stored in a non-object database by the object model;

constructing commands by a computer in an object query language corresponding to the object model to extract the selected data from the object model;

extracting the selected data from the non-object database by a computer by directly extracting the selected data from the object model using the constructed commands;

building tables for the extracted data by a computer in accordance with metadata for the extracted data, the tables being tables for a target relational database; and

inserting the extracted data into the tables by a computer using a query language corresponding to the tables and which is different from the object query language; and

automatically loading the tables with the inserted data into the target relational database.

17.   (CURRENTLY AMENDED) An apparatus comprising:

an object model;

a relational database, the object model storing data in the relational database;

a selection device in which a human user selects data to be extracted from the object model and which is stored by the object model in the relational database;

a computer-implemented engine automatically extracting the selected data from the relational database by directly extracting the selected data from the object model via an object query language corresponding to the object model, automatically building relational database tables for the extracted data in accordance with metadata for the extracted data, and automatically inserting the extracted data into the tables using a query language which is different from the object query language; and

a database management system loading the tables with the inserted data into the relational database.

18.   (CURRENTLY AMENDED) An apparatus as in claim 17, wherein the selection device is one of the group consisting of a graphical user interface and a control table.

19.   (CANCELED)

20.   (CANCELED)

21.   (CANCELED)

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 8, 10, 11, 13, 15-18 are allowable over the prior art of record because the prior art of record fails to teach or fairly suggest extracting the selected data from the non-object database by directly extracting the selected data from the object model using an object query language corresponding to the object model, building tables for the

extracted data in accordance with metadata for the extracted data, the tables being tables for a target relational database, as detailed in independent claim 8, and similar to claims 11, 13, 16, and 17.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
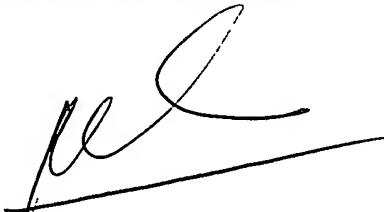
Conclusion

The prior art made of record, listed on form PTO-892, and not relied upon, if any, is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBBIE M. LE whose telephone number is (571) 272-4111. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo can be reached on (571) 272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

DEBBIE LE
PRIMARY EXAMINER
5/10/06